



GAIL FARBER, Director

COUNTY OF LOS ANGELES

DEPARTMENT OF PUBLIC WORKS

"To Enrich Lives Through Effective and Caring Service"

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IN REPLY PLEASE

REFER TO FILE: **T-7**
A4231-1

June 22, 2015

TO: Each Supervisor

FROM: Gail Farber *Gail Farber*
Director of Public Works

BOARD MOTION OF FEBRUARY 3, 2015, AGENDA ITEM 4 PILOT PROGRAM FOR STOP SIGNS WITH LIGHT EMITTING DIODE LIGHTS

On February 3, 2015, Agenda Item 4, the Board directed Public Works to perform the following and report back within 90 days:

1. Develop a pilot program that installs Stop signs with Light Emitting Diode (LED) lights around the border at intersections in the communities of Altadena, La Crescenta, East Los Angeles, and the San Gabriel Valley, including Avocado Heights, Bassett, South San Gabriel, South Whittier, and Valinda.
2. Perform a study of the impacts these signs had on the safety of these intersections.
3. Perform a study to determine under which conditions Stop signs with LED lights around the border should be used and develop procedures to determine the location selection and design criteria.

Public Works has identified intersections to be included for both flashing and nonflashing LED lights (see attached). The locations selected provide a diverse representation of traffic and roadway characteristics that will be used to effectively evaluate this device and develop selection and design criteria.

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Public Works recommends installing a total of 48 Stop signs with LED lights at 22 intersections within the communities included in the subject Board motion and the Antelope Valley. We also recommend purchasing 12 additional signs to be used as spares in case of breakdowns. The total project cost for the design, procurement, and installation of these signs is estimated to be \$150,000 and will be included in the Road Fund Fiscal Year 2015-16 Budget.

We expect procurement and installation of these signs to take approximately 4 to 6 months to complete.

After the signs have been installed, we will collect pertinent traffic data for a period of 2 years to evaluate the effectiveness of these signs. We may make recommendations to remove the signs at locations where they have been found to be ineffective. We will develop procedures to determine location selection and design criteria for future use of these signs.

Public Works will provide the Board with a status report on the installations by December 2015 and following analysis of the collected pertinent traffic data by June 2018.

If you have any questions, please call me or your staff may contact Patrick V. DeChellis, Deputy Director, at (626) 458-4004.

DO:sm

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Attach.

cc: Chief Executive Office (Rochelle Goff)
County Counsel
Executive Office

**PILOT PROGRAM - STOP SIGN WITH LED LIGHTS
PROPOSED LOCATIONS**

LOCATION	INTERSECTION	TRAFFIC CONTROL	COMMUNITY	SD	RIGHT ANGLE COLLISIONS (5 YR. HISTORY)	NO. OF SIGNS
1	HUBBARD STREET	none	East Los Angeles	1	8	2
	HENDRICKS AVENUE	Stop Sign				
2*	HUBBARD STREET	none	East Los Angeles		6	2
	FRASER AVENUE	Stop Sign				
3	WHITTIER BOULEVARD	none	East Los Angeles		6	2
	BONNIE BEACH PLACE	Stop Sign				
4	VERONA STREET	Stop Sign	East Los Angeles		6	2
	FRASER AVENUE	none				
5	OLYMPIC BOULEVARD	none	East Los Angeles		7	2
	WOODS AVENUE	Stop Sign				
6*	6TH STREET	Stop Sign	East Los Angeles		6	2
	MARGARET AVENUE	none				
7*	FLORAL DRIVE	Stop Sign	East Los Angeles		6	2
	BONNIE BEACH PLACE	none				
8*	EAGLE STREET	none	East Los Angeles		5	2
	MARGARET AVENUE	Stop Sign				
9	BLANCHARD STREET	none	East Los Angeles		6	2
	ROWAN AVENUE	Stop Sign				
10	CALIFORNIA BOULEVARD	Stop Sign	Valinda		3	4
	FAIRGROVE AVENUE	Stop Sign				
11*	5TH AVENUE	Stop Sign	Avocado Heights		3	2
	DON JULIAN ROAD	none				
12*	FALLING LEAF AVENUE	Stop Sign	South San Gabriel		3	2
	LA MERCED ROAD	none				
13	AMAR ROAD	none	Valinda		9	2
	EVANWOOD AVENUE	Stop Sign				
14	VALLEY BOULEVARD	none	Avocado Heights/Bassett		8	1
	6TH AVENUE	Stop Sign				
15	TEMPLE AVENUE	none	Valinda		2	1
	MANGATE AVENUE	Stop Sign				

LOCATION	INTERSECTION	TRAFFIC CONTROL	COMMUNITY	SD	RIGHT ANGLE COLLISIONS (5 YR. HISTORY)	NO. OF SIGNS
16*	COLIMA ROAD	none	South Whittier	4	2	1
	POULTER DRIVE	Stop Sign				
17*	MILLS AVENUE	none	South Whittier		2	1
	LANNING DRIVE	Stop Sign				

LOCATION	INTERSECTION	TRAFFIC CONTROL	COMMUNITY	SD	RIGHT ANGLE COLLISIONS (5 YR. HISTORY)	NO. OF SIGNS	
18*	BRIGGS AVENUE	Stop Sign	La Crescenta	5	2	4	
	MOUNTAIN AVENUE	Stop Sign					
19*	ALTADENA DRIVE	none	Altadena		9	2	
	SANTA ROSA AVENUE	Stop Sign					
20*	ALLEN AVENUE	Stop Sign	Altadena		2	4	
	ALTADENA DRIVE	Stop Sign					
21	AVENUE H	none	Antelope Valley		4	2	
	120TH STREET E.	Stop Sign					
22	AVENUE N	Stop Sign	Antelope Valley		9	4	
	50TH STREET E.	Stop Sign					
					SIGNS	48	
					SPARE SIGNS	12	
					TOTAL	60	

* - NON-FLASHING LED LIGHTS (Steady on)

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